1216.0.15.002 - Australian Standard Geographical Classification (ASGC) Concordances, 01 Jul 2007
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Summary

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2007 ASGC AREA CONCORDANCES

The product **1216.0.15.002 ABS Australian Standard Geographical Classification Area Concordances** contains four separate concordance files. These files are comma delimited and include a metadata sheet showing the file format.

2007 ASGC Structures Concordance

This file shows the relationship of the Statistical Local Area (SLA) within the 2007 ASGC Structures. This includes the Local Government Areas Structure, the Main Structure, the Statistical District Structure and the Statistical Region Structure.

2007 LGA from 2007 SLA Concordance

This file allows the conversion of data from the ASGC Edition 2007 Statistical Local Areas (SLAs) to 2007 Local Government Areas (LGAs). This area based concordance can be used to translate statistics aggregated by SLA to LGA aggregations.

2007 SLA from 2006 CD Concordance

This file allows the conversion of data from the 2006 Collection Districts (CDs) to ASGC Edition 2007 Statistical Local Areas (SLAs). This area based concordance can be used to translate statistics aggregated by CD to SLA aggregations.

2007 SLA from 2006 SLA Concordance

This file allows the conversion of data from the 2006 Statistical Local Areas (SLAs) to ASGC Edition 2007 Statistical Local Areas (SLAs). This area based concordance can be used to translate statistics aggregated by 2006 SLA to 2007 SLA aggregations.

Product Brief

PRODUCT BRIEF

2007 CONCORDANCES PRODUCT BRIEF

Introduction

The Australian Bureau of Statistics (ABS) has developed several concordance products that enable users to convert data for one type of geographic area to another. For full details of these geographic areas please refer to Statistical Geography Volume 1 Australian Standard Geographical Classification (ASGC) (cat. no. 1216.0).

There are two types of concordances that the ABS produces, a population based concordance and an area based concordance. This publication contains area based concordances only.

The area based concordance expresses the percentage of the "From" area contained within the "To" area. The population weighted concordance expresses the percentage of the "From" area's population contained within the "To" area. Population weighted concordances ABS Postal Area Concordances, August 2006 (cat. no. 2905.0.55.001) are available from the ABS website.

The Area Based concordance

The area based concordance is based on the area of the "From" area contained in the "To" Area. This is calculated by a simple GIS method.

In the area based concordance there may be situations where the boundaries do not align perfectly and a very small percentage of one area is contained in another. In these cases if the percentage calculated is below 0.001 percent then the figure is set to zero (0), similarly if the percentage is greater than 99.999 percent the value is set to 1.0.

File Format

The file naming convention is :

Character and Meaning

       1 "C" for Concordance
       2 "A" for Area Based Concordance
       3-6 Year of To Area
       7-9 Type of To Area eg, "SLA" **
       10 "_"
       11-14 Year of From Area

15-17 Type of From Area eg, "SLA" **

** in some cases the Area type is two characters, eg "MB", adjust character count appropriately

For Example

CA2006SLA_2006MB.txt is the text file containing the information concording 2006 Mesh blocks to 2006 SLAs based on the area concordance principal.

The "From Area" and "To Area" naming convention is "Mathematically based"

"To Area" = "From Area" multiplied by ratio

105051100 = 123456565 * 0.505

105051200 = 123456565 * 0.595

Concordance files are comma-delimited text files.

Field Name*** Type

  To area Code Character
  To area Name Character
  From Area Code Character
  From Area Name Character
  Ratio Number
  Percentage Number

*** Field Names will vary from file to file but are consistent in nature. The field name is constructed from the area type and date. For example the code field from the 2007 SLA file will have the name "SLA_2007_Code", whereas a Collection District Area Name field from the 2006 Postal Area file will have the name "CD_2006_Name". It is important to note the placement/ positioning convention as it is similar to the file naming convention.

Percentage - figure expressed as a percentage ranges from 100 to 0

Ratio - figures expresses as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317

Foe example:

"SLA_2007_Code","SLA_2007_Name","CD_2006_Code","CD_2006_Name","Ratio","Percent"

```
105051100,Botany Bay (C),1421807,1421807, 1, 100
105051100,Botany Bay (C),1421806,1421806, 1, 100
105051100,Botany Bay (C),1421805,1421805, 1, 100
105051100,Botany Bay (C),1421804,1421804, 1, 100
105051100,Botany Bay (C),1421809,1421809, 1, 100
```

Or

"SLA_2007_Code","SLA_2007_Name","CD_2006_Code","CD_2006_Name","Ratio","Percent"

```
105051100,Botany Bay (C),1421909,1421909, .999886150596782,
99.9886150596782
105051100,Botany Bay (C),1421808,1421808, .999993652481281,
99.9993652481281
105051100,Botany Bay (C),1421907,1421907, .999972553418185,
99.9972553418185
105051100,Botany Bay (C),1421904,1421904, .999994750369691,
99.9994750369691
105051100,Botany Bay (C),1421903,1421903, .999986839499272,
99.9986839499272
```

The "From Area" and "To Area" naming convention is "Mathematically based"

"To Area" = "From Area" multiplied by ratio

```
105051100 = 105055200* 0. 97.95
105051100 = 105055200* 0.0001
105051200 = 105106550 * 0.0004
```

For enquires please contact the ABS Geography Section, see details below.

ABS Geography Section

Email: geography@abs.gov.au

September 2007

2007 Australian Standard Geographical Classification Structures Concordance

2007 AUSTRALIAN STANDARD GEOGRAPHICAL CLASSIFICATION (ASGC)

STRUCTURES CONCORDANCE

This file shows the relationship of the Statistical Local Area (SLA) within the 2007 ASGC Structures: the Local Government Area Structure, the Main Structure, the Statistical District Structure and the Statistical Region Structure. The file contains a total of 1426 records. Off-Shore Areas & Migratory SLAs are included in this count.

File Name: 'ASGC2007_Structures.txt'

Format: ASCII, comma delimited

ASGC Edition 2007 - date of effect 1 July 2007

Record Structure

Field Name

1 Statistical Local Area Maincode 2007 ("SLA_MAINCODE_2007")
2 Statistical Local Area Name 2007 ("SLA_NAME_2007")
3 Statistical Local Area 5 Digitcode 2007 ("SLA_5DIGITCODE_2007")
4 Statistical Subdivision Code 2007 ("SSD_CODE_2007")
5 Statistical Subdivision Name 2007 ("SSD_NAME_2007")
6 Statistical Division Code 2007 ("SD_CODE_2007")
7 Statistical Division Name 2007 ("SD_NAME_2007")
8 State Code 2007 ("STATE_CODE_2007")
9 State Name 2007 ("STATE_NAME_2007")
10 Statistical District Code 2007 ("SDIST_CODE_2007")
11 Statistical District Name 2007 ("SDIST_NAME_2007")
12 Major Statistical Regions Code 2007 ("MSR_CODE_2007")
13 Major Statistical Regions Name 2007 ("MSR_NAME_2007")
14 Statistical Regions Code 2007 ("SR_CODE_2007")
15 Statistical Regions Name 2007 ("SR_NAME_2007")
16 Statistical Regions Sector Code 2007 ("SRS_CODE_2007")
17 Statistical Regions Sector Name 2007 ("SRS_NAME_2007")
18 SLA Region Code 2007 ("SLA_REGIONCODE_2007")
19 Local Government Area (LGA) Code 2007 ("LGA_CODE_2007")
20 LGA Name 2007 ("LGA_NAME_2007")

2007 LGA from 2007 SLA Concordance (LGA_SLA)

LOCAL GOVERNMENT AREA 2007 (LGA) FROM STATISTICAL LOCAL AREA 2007 (SLA) CONCORDANCE

This file identifies which 2007 LGAs comprise of which SLAs in 2007. This file comprises of 1418 records.

Format: ASCII, comma delimited.

File name CA2007LGA_2007SLA.txt.

Record Structure

Field Name

1 Statistical Local Area Code 2007 ("SLA_CODE_2007")
2 SLA Name 2007 ("SLA_NAME_2007")
3 Local Government Area Code 2007 ("LGA_CODE_2007")
4 LGA Name 2007 ("LGA_NAME_2007")
5 Ratio
6 Percent
Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - $4.77810788750317e-04$ which is 0.000477810788750317
Percentage - figure expressed as a percentage ranges from 100 to 0

2007 SLA from 2006 CD Concordance (SLA_CD)

2007 STATISTICAL LOCAL AREA FROM 2006 COLLECTION DISTRICTS CONCORDANCE

This file identifies which 2007 SLAs comprise of which 2006 CDs.

The file contains a total of 38,634 records. Off-shore, Shipping and Migratory CDs and Water CDs are included in this count.

File Name: 'CA2007SLA_2006CD.txt'

Format: ASCII, comma delimited

Record Structure

Field Name

1 Statistical Local Area 2007 Code ("SLA_2007_Code")
2 Statistical Local Area 2007 Name ("SLA_2007_Name")
3 Collection District 2006 Code ("CD_2006_Code")
4 Collection District 2006 Name ("CD_2006_Name")
5 Ratio

6 Percent
Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317
Percentage - figure expressed as a percentage ranges from 100 to 0

2007 SLA from 2006 SLA Concordance (SLA_SLA)

ASGC 2007 FROM ASGC 2006 STATISTICAL LOCAL AREA (SLA) CONCORDANCE

This file assists in the conversion of 2007 SLAs from 2006 SLAs. This file contains 1,488 records.

File Name: 'CA2007SLA_2006SLA.txt'

Format: ASCII comma delimited

Record Structure

Field Name

1 Statistical Local Area 2007 Code ("SLA_2007_Code")
2 Statistical Local Area 2007 Code ("SLA_Name_2007")
3 Statistical Local Area 2006 Code ("SLA_Code_2006")
4 Statistical Local Area 2006 Name ("SLA_Name_2006")
5 Ratio Number
6 Percentage Number
Ratio - figures expressed as part of 1 - actual figures can be up to 10 decimal places and are expressed in mathematical terms - 4.77810788750317e-04 which is 0.000477810788750317
Percentage - figure expressed as a percentage ranges from 100 to 0

About this Release

The 2007 concordances consists of 4 zipped comma delimited files. These are:
- current Census CD (2006) to current SLA concordance (2007) (CA2007SLA_2006CD.txt)
- current SLA (2007) to current LGA (2007) concordance (CA2007LGA_2007SLA.txt)
- previous year SLA (2006) to current SLA concordance (2007) (CA2007SLA_2006SLA.txt)
- hierarchy list of all levels of the current ASGC (2007) edition (ASGC2007_Structures.txt)

Concordances are available for other editions of the ASGC and further information may be obtained from Geography by emailing geography@abs.gov.au